

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000620

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F16M 11/00, 13/00, G01N 29/26.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC F16M 11/00, 13/00, G01N 29/26.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC : AU F16M 11/00, 13/00, G01N 29/26.


Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI; F16M 11/, 13/IC G01N 29/IC and pip+. F16L/IC and (support+ or fram+ or stand+) and (detect+ or test+ or exam+ or check+) and (ultrasonic+ or sonic+ or ultrasound+ or sound+)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent Abstract Accession No.2001-508598/56, Class S03, JP 2001194352 A (KANSAI XSEN KK) 19 July 2001. See entire abstract.	19
X	Derwent Abstract Accession No.96-071085/08, Class S03, JP 07280776 A (NIPPON STEEL CORP.) 27 October 1995. See entire abstract.	19,42
X	Derwent Abstract Accession No.98-029215/03, Class S03, JP 09288094 A (HITACHI ENG CO LTD) 4 November 1997. See entire abstract.	19,42
X	Derwent Abstract Accession No.1999-447585/38, Class S03, JP 11183453 A (MITSUBISHI ELECTRIC CORP) 9 July 1999. See entire abstract.	1,19

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 7 July 2004	Date of mailing of the international search report 13 JUL 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  R. WEBER Telephone No : (02) 6283 2546

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	Derwent Abstract Accession No.2003-849463/79, Class S03, JP 2003322643 A (SUMITOMO METAL IND LTD) 14 November 2003. See entire abstract.	19,42
X	Derwent Abstract Accession No.91-309159/42, Class S03, SU 1610429 A (KHARK RADIO ELECTRO) 30 November 1990. See entire abstract.	42
X	Derwent Abstract Accession No.94-300891/37, Class S03, SU 1445396 A (NIKITIN S V) 15 March 1994. See entire abstract.	16,19
X	WO 2001/96808 A (HYDRO-QUEBEC) 20 December 2001. See entire specification.	19
X	DE 2854374 A (IBEMA GmbH & CO KG) 19 June 1980. See entire specification.	19,42
X	US 4041773 A (HAULDREN ET AL) 16 August 1977. See entire specification.	19,42
X	US 4213345 A (DUFOUR) 22 July 1980. See entire specification.	19,42
X	EP 412396 A (SIEMENS AG) 13 February 1991. See entire specification.	16,19,42
X	US 5313837 A (HAYNES) 24 May 1994. See entire specification.	16,19,42
X	US 5370006 A (ZOLLINGER ET AL) 6 December 1994. See entire specification.	19,42
X	WO 1980/01842 A (BRITISH GAS CORPORATION) 4 September 1980. See entire specification.	1,19
X	FR 2791137 A (FRAMATOME SA) 22 September 2000. See entire specification.	1,19

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:

because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claim 1 is directed to a device for supporting an ultrasonic transducer including a guide surface for the transducer. Claim 16 is directed to the rotational positioning of the ultrasonic transducers about a pipe. Claim 19 is directed to a support device for ultrasonic transducers, which ensures a constant distance between the transducers. Claim 42 is directed to a support frame, which has a carriage for the supporting and moving the transducers.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	200196808	AU	68861/01	CA	2411947
DE	2854374	NIL			
US	4041773	AU	18453/76	CA	1059613
		DK	452476	FR	2327541
		MX	142895	NL	7611197
US	4213345	NIL			
EP	412396	NIL			
US	5313837	NIL			
US	5370006	NIL			
WO	198001842	AU	55924/80	CA	1134936
		GB	2043248	US	4285243
FR	2791137	NIL			
				EP	24397

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX